

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1 1 – 4. (Cancelled)

1 5. (Currently Amended) A method for servicing an inkjet printer including an inkjet
2 printhead with a nozzle plate and a first service module removably installed on the printer,
3 comprising:

4 identifying a printhead-related service condition not adequately addressed by servicing
5 the [[printer]]printhead with the first service module being in an un-worn condition;

6 providing a second service module with a service function different from the first service
7 module and adapted to address said printhead-related service condition, the second service
8 module removably installable on the printer;

9 removing the first service module from the printer;

10 installing the second service module in the printer in place of the first service module;

11 using the second service module, conducting a special printhead-related servicing
12 operation.

1 6. (Previously Presented) The method of claim 5, further comprising:

2 after completion of the special printhead-related servicing operation, removing the
3 second service module from the printer; and

4 installing the first service module in the printer in place of the second service module.

1 7. (Currently Amended) A method for servicing an inkjet printer including an inkjet
2 printhead with a nozzle plate and a first service module removably installed on the printer,
3 comprising:

4 identifying a printhead-related service condition not adequately addressed by servicing
5 the [[printer]]printhead with the first service module being in an un-worn condition;

6 providing a second service module with a service function different from the first service
7 module and adapted to address said printhead-related service condition, the second service
8 module removably installable on the printer and in place of the first service module;

9 providing a set of instructions for using the second service module with the inkjet printer
10 to the printer user, wherein the step of providing a set of instructions includes providing a set of
11 machine readable printer instruction code for loading into the printer.

1 8. (Previously Presented) The method of claim 7 wherein the printer is controlled
2 by a host computer, and wherein the step of providing the set of instructions includes
3 downloading the set of printer instruction code from the host computer.

1 9 – 13. (Cancelled)

1 14. (Currently Amended) A method for servicing an inkjet printer including an inkjet
2 printhead with a nozzle plate and a first service module removably installed on the printer,
3 comprising:

4 identifying a printhead-related service condition not adequately addressed by servicing
5 the [[printer]]printhead with the first service module being in an un-worn condition;

6 providing a second service module with a service function different from the first service
7 module and adapted to address said printhead-related service condition, the second service
8 module removably installable on the printer and in place of the first service module, wherein said
9 printhead-related service condition includes ink on a printhead carriage interconnect, and the
10 second service module includes a brush arranged to clean the interconnect.

1 15. (Currently Amended) A method for servicing an inkjet printer including an inkjet
2 printhead with a nozzle plate and a first service module removably installed on the printer,
3 comprising:

4 identifying a printhead-related service condition not adequately addressed by servicing
5 the [[printer]]printhead with the first service module being in an un-worn condition;

6 providing a second service module with a service function different from the first service
7 module and adapted to address said printhead-related service condition, the second service
8 module removably installable on the printer and in place of the first service module, wherein said
9 printhead-related service condition includes vibration or shock incurred during shipment or
10 moving of the printer, and the second service module includes a special capping structure having
11 a range of movement along an axis generally perpendicular to a nozzle array of the printhead,
12 and a bias structure which urges the capping structure toward and into engagement with the
13 printhead during a capping procedure.

1 16. (Original) The method of claim 15 wherein the special capping structure includes
2 a relative hard, non-resilient cap structure which contains the printhead during the capping
3 procedure.

1 17 – 18. (Cancelled)

1 19. (Currently Amended) A method for servicing an inkjet printer including an inkjet
2 printhead and a removable first service module, comprising:

3 providing a second service module different from the first service module and adapted to
4 address a printhead-related service condition of the printhead not adequately addressed by the
5 first service module being in an un-worn condition, the second service module removably
6 installable on the printer and in place of the first service module;

7 providing a set of instructions for using the second service module with the inkjet printer
8 to [[the]]a printer user, wherein the step of providing a set of instructions includes providing a set
9 of machine readable printer instruction code for loading into the printer;

10 installing the second service module in the printer;

11 conducting a printhead-related service operation using the second service module.

1 20. (Currently Amended) A method for servicing an inkjet printer including an inkjet
2 printhead and a removable first service module, comprising:

3 providing a second service module different from the first service module and adapted to
4 address a printhead-related service condition of the printhead not adequately addressed by the
5 first service module being in an un-worn condition, the second service module removably
6 installable on the printer and in place of the first service module;

7 providing a set of instructions for using the second service module with the inkjet printer
8 to the printer user, wherein the printer is controlled by a host computer, and the step of providing
9 a set of instructions includes downloading [[the]]a set of printer instruction code from the host
10 computer;

11 installing the second service module in the printer;

12 conducting a printhead-related service operation using the second service module.

1 21. (Canceled)

1 22. (Currently Amended) A method for servicing an inkjet printer including an inkjet
2 printhead and a removable first service module, comprising:
3 providing a second service module different from the first service module and adapted to
4 address a printhead-related service condition of the printhead not adequately addressed by the
5 first service module being in an un-worn condition, the second service module removably
6 installable on the printer and in place of the first service module;
7 installing the second service module in the printer;
8 conducting a printhead-related service operation using the second service module;
9 after completion of the printhead-related servicing operation, removing the second
10 service module from the printer; and
11 installing the first service module in the printer in place of the second service module.

1 23 – 26. (Cancelled)

1 27. (Currently Amended) A method for servicing an inkjet printer including an inkjet
2 printhead and a removable first service module, comprising:
3 providing a second service module different from the first service module and adapted to
4 address a printhead-related service condition of the printhead not adequately addressed by the
5 first service module being in an un-worn condition, the second service module removably
6 installable on the printer and in place of the first service module;
7 installing the second service module in the printer;
8 conducting a printhead-related service operation using the second service module;
9 wherein said printhead-related service condition includes ink on a printhead carriage
10 interconnect, and the second service module includes a cleaning element arranged to clean the
11 interconnect during a special cleaning mode with the printhead removed from the carriage.

1 28 – 29. (Cancelled)

1 30. (Previously Presented) An apparatus for use in an inkjet printing system
2 including an inkjet printhead and a standard service module removably installed in the printing
3 system, the apparatus comprising a special service module configured to be removably installed
4 in the printing system in place of the standard service module to perform a special service
5 function on the printhead which is not performed by the standard service module being in an
6 un-worn condition, the special service module removably installable in the printing system and
7 in place of the standard service module, wherein the special service module includes a housing
8 and at least one component mounted to the housing to perform the special service function.

1 31. (Currently Amended) A method for servicing an inkjet printer including an inkjet
2 printhead with a nozzle plate and a first service module removably installed on the printer,
3 comprising:

4 identifying a printhead-related service condition of the printhead not adequately
5 addressed by servicing the [[printer]]printhead with the first service module;
6 providing a second service module with a service function different from the first service
7 module and adapted to address said printhead-related service condition;
8 removing the first service module from the printer;
9 installing the second service module in the printer in place of the first service module;
10 using the second service module, conducting a special printhead-related servicing
11 operation;
12 after completion of the special printhead-related servicing operation, removing the
13 second service module from the printer; and
14 installing the first service module in the printer in place of the second service module.

1 32.-44. (Cancelled)

1 45. (Previously Presented) An inkjet printing system, comprising:
2 an inkjet printhead;
3 a service area for performing service functions on the printhead;
4 a first service module for removable mounting at the service area to perform service
5 functions on the printhead during a standard printhead service mode;
6 a second service module for removable mounting at the service area in place of the first
7 service module to perform a different service function from that performed by the first service
8 module in an un-worn condition on the printhead during a special printhead service mode.

1 46. (Previously Presented) The system of Claim 45 further comprising:
2 a printhead carriage for mounting the printhead and arranged for traversing movement
3 along a print area and for moving to the service area;
4 a service carriage for removably mounting the first service module or the second service
5 module.